



Title: **MACHINIST**

Salary Code: 17
Effective Date: 01/08/10
FLSA Designation: Nonexempt

GENERAL DESCRIPTION

Under the general supervision of the Senior Pumping Plant and Machine Shop Worker, performs and may direct a crew performing work involved in fabricating and machining pump, valve, pipe, and equipment parts and components from metal and plastic stock, work from blueprints, drawings, written specifications, and verbal instructions, and work using a variety of machine tools. The ability to communicate effectively is required.

EXAMPLES OF WORK PERFORMED

The information listed below is meant to serve as samples of the job duties and responsibilities for positions in this classification. This list is neither inclusive nor exclusive, but indicative of several types of duties performed.

1. Sets up and operates a variety of machine tools to perform a normal range of rough and finish machining operations on metal and plastic stock; positions and secures material as required to set up the various machining operations; and sets speed, feed, and depth of cut according to material and finish requirements.
2. Performs precise and complex repair, maintenance, and fabrication work to plant, shop, and field equipment; and tooling from rough castings or metal stock.
3. Replaces or repairs defective parts or reproduces parts from various kinds of metal stock.
4. Dismantles, diagnoses, repairs, and reassembles machines, equipment, and pumps.
5. Determines sequence of operations to properly and efficiently accomplish repair.
6. Develops, reads, interprets, and modifies blueprints and sketches and makes sketches of work to be performed or of work completed.
7. Makes estimates of labor, materials, and supplies required for the performance of specific assignments.
8. Sharpens, tempers, straightens, and heat treats steel.
9. May assist in removal, inspection, repair, and installation of motors and vertical and horizontal pumps.
10. Performs other duties as assigned.

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CLASSIFICATION REQUIREMENTS

Education and Experience: Any combination of equivalent education and experience that has led to the acquisition of the knowledge required by the position. A typical way of acquiring the knowledge would be:

1. Completion of twelfth grade, successful completion of a two (2) year recognized apprenticeship program at an accredited academic, trade or technical institution, **and** two (2) years of journeyman-level machine shop experience, or
2. Three (3) year of experience as a Machinist-Apprentice for Westlands Water District including completion of the Westlands Water District Machinist Training Program.

Note: Experience as a CNC machinist or an assembly line machinist is not acceptable.

Knowledge of:

Tool design and grinding procedures.
Rigging principles used in moving or placing heavy equipment.
The use and operation of arc and gas welding and cutting equipment.
Plating of all types of materials.
The operation of portable equipment and two-axle truck rated at 26,000 lbs. or less GVWR.

WORKING CONDITIONS

Heavy lifting up to 100 pounds.

Work in all types of weather.

Possess the physical characteristics to perform the critical and important duties of the job, including the ability to climb stationary ladders up to 100 feet in height, work suspended above ground level (approximately 45 feet) in a bosun chair or aerial lift, and work in confined spaces, such as in excavations (approximately 20 feet below ground level), dewatered sumps, and turnout facilities (approximately 30 feet below ground level).

STANDARD REQUIREMENTS

Possession of a valid Class C California Driver's License with a driving record acceptable to the District's automobile insurance provider is required.

Depending on assignment, possession of a Class A Driver's License with air brake endorsement may be required within twelve (12) months of assignment along with a driving record acceptable to the District's insurance provider.